Statement of Basis of the Federal Operating Permit

Lockheed Martin Corporation

Site Name: Air Force Plant 4
Physical Location: 1 Lockheed Blvd
Nearest City: Fort Worth
County: Tarrant

Permit Number: O1294
Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 3721
SIC Name: Aircraft

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

A description of the facility/area process description;
A description of the revision project;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: August 30, 2017

Operating Permit
Basis of Determination

Description of Revisions

- Added engines 10616305 and 10616306 and applicable requirements;
- Added storage tanks 10616305T and 10616306T to GRPDIESEL
- Added vents 10616305TV and 10616306TVto GRPNOVEO;
- Changed NSR Authorizations for 10608917 and MMG75DPLPH to 106.511/09/04/2000;
- Moved 10119582V from GRPMISCPM to GRPALTHEAT;
- Moved 10050944V from GRPNOVEO to GRPALTHEAT; and
- Deleted decommissioned unit RPTC017.

Permit Area Process Description

Air Force Plant No. 4 (AFP4) in Fort Worth, Tarrant County, Texas is owned by the United States Air Force/Air Force Material Command and operated by Lockheed Martin Aeronautics Company (LMAC), the permit holder. The facility operates numerous industrial operations necessary for research, development, and manufacturing of aircraft components and assembled aircraft.

Manufacturing aircraft components requires typical metal and composite parts fabrication processes including the following:
Raw materials such as aluminum are machined, cleaned using aggressive aqueous solutions, and treated with corrosive inhibiting processes. Emissions from these processes consist of mist-like water droplets containing small quantities of particulate matter;

After machining, most parts are cleaned using hand wipe organic solvents and coated using water based, non-chromated, or chromated corrosion inhibiting primers. Emissions consist of volatile organic compounds (VOC) and particulate matter from the low-vapor-pressure cleaning solvents and primers and inorganic compounds from the primers and topcoats;

Machined parts are then assembled into progressively larger and more complex subassemblies utilizing other parts such as subcontractor fabricated items, electronic assemblies, composite materials, and the engine. Assemblies are occasionally cleaned using hand wipe solvents. Other materials used in assembly include specialty primers and topcoats, sealants, marking inks, and adhesives. Emissions consist of VOCs and particulate from the various coatings and specialty materials;

After final assembly of the aircraft, the entire exterior is hand wipe cleaned and coated with primers and several different types of topcoats. Emissions consist of VOCs and particulate from the wipe solvents and various coatings.

The aircraft is subjected to several test flights to ensure performance; then prepped for delivery to the final customer. Emissions consist of VOCs and particulates from wipe solvents, specialty fluids like hydraulics and JP-5 aviation fuel, various sealants and lubricants, and touch-up and identification coatings.

Coating of aircraft parts and assemblies is a substantial task during fabrication. Rigorous cleanliness standards ensure that different types of primers, topcoats, and specialty coatings adhere to the various substrates.

There are two major types of coating operations; production and nonproduction. Production coating operations are performed on actual aircraft parts and assemblies. Nonproduction coating operations are performed in support of miscellaneous activities such as tooling, maintenance, research and development, quality control and assurance, and model building.

Manufacturing aircraft components also requires extensive research, development, and quality control laboratory facilities in support of the manufacturing operations and to develop new products and processes. Typical operations include research into new and more advanced coatings, sealants, lubricants, and processes. Extensive quality control assurance testing is performed on these same products during their use in production. Emissions consist of VOCs and particulates from these products during testing.

Supporting a seven million square foot facility requires extensive support facilities such as:

Industrial boilers that generate steam to heat the facility provide steam for plant comfort and process equipment needs, including steam for research and development testing. Emissions consist of typical natural gas-fired boiler criteria and particulate pollutants.

Large industrial chilled water refrigeration units are used to air condition most of the facility.
A motor vehicle fuel service station consisting of two Phase II underground storage tanks (gasoline and diesel) with a two-pump refueling station for in-plant service vehicles. Emissions consist of typical VOC emissions from storage and refueling stations.

An aircraft fuel storage and distribution station consisting of five underground and two above-ground JP-5 storage tanks, a smaller underground storage tank for storing the product from each JP-5/water separator, four aboveground storage tanks, a bulk-transfer station, and a fuel distribution station. Several trucks service production and company aircraft from this station. Emissions consist of typical VOC emissions from storage and refueling stations.

To support the large quantities of custom-made tooling required to fabricate aircraft. AFP4 has many tooling fabrication facilities processing both wood and metal materials. Emissions consist of VOCs and particulate matter from the spray paint processes.

The facility and equipment also require continuous maintenance and support. Emissions consist of VOCs and particulate matter from spray painting, machinery fluid maintenance, and transportation vehicles.

FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, NOX, HAPS, CO

Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements

    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify

monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed either before or after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A. for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B).

An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CSAPR (Cross-State Air Pollution Rule)	No

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.

6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations

that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column “Changes and Exceptions to RRT.” If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word “None” will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled “Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected.”

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled “Basis for Applying Permit Shields” specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
10132285	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Existing diesel fuel-fired engine, located in the Dallas/Fort Worth Eight-Hour ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after June 1, 2007	The rule citations were determined from an analysis of the rule text and the basis of determination.
10132285	40 CFR Part 60, Subpart IIII	R60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.	
10132285	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
10608917	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.
10608917	40 CFR Part 60, Subpart IIII	60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 04/01/2006. Model Year = CI ICE was manufactured in model year 2012.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
10608917	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
10616305	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.
10616305	40 CFR Part 60, Subpart IIII	60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 04/01/2006. Model Year = CI ICE was manufactured in model year 2015.	
10616305	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
10616306	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.
10616306	40 CFR Part 60, Subpart IIII	60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 04/01/2006. Model Year = CI ICE was manufactured in model year 2015.	
10616306	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
10618176	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.
10618176	40 CFR Part 60, Subpart IIII	60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating is greater than or equal to 75 KW and less than 130 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			engine. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 04/01/2006. Model Year = CI ICE was manufactured in model year 2015.	
10618176	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
GRPEG	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Existing diesel fuel-fired engine, located in the Dallas/Fort Worth Eight-Hour ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after June 1, 2007	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPEG	40 CFR Part 60, Subpart IIII	R60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.	
GRPEG	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
GRPFWPNEW	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPFWPNEW	40 CFR Part 60, Subpart IIII	60IIII-FWP	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder. Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements. Standards = The emergency CI ICE meets the standards applicable to non-emergency engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 07/01/2006. Model Year = CI ICE was manufactured in model year 2009. Options = The CI ICE rated speed is less than 2650 RPMs.	
GRPFWPNEW	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-FWP	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
MMG75DPLPH	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after June 1, 2007, located in the Dallas/Fort Worth ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average (other than	The rule citations were determined from an analysis of the rule text and the basis of determination.
MMG75DPLPH	40 CFR Part 60, Subpart IIII	60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Diesel = Diesel fuel is used. Kilowatts = Power rating is greater than or equal to 37 KW and less than 75 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Filter = The CI ICE is not equipped with a diesel particulate filter. Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			engines. Commencing = CI ICE was newly constructed after 07/11/2005. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Manufacture Date = Date of manufacture was after 04/01/2006. Model Year = CI ICE was manufactured in model year 2014.	
MMG75DPLPH	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
RPRB100	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Existing diesel fuel-fired engine, located in the Dallas/Fort Worth Eight-Hour ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after June 1, 2007	The rule citations were determined from an analysis of the rule text and the basis of determination.
RPRB100	40 CFR Part 60, Subpart IIII	R60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.	
RPRB100	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
RPWC080	30 TAC Chapter 117, Subchapter B	R7ICI-ENG	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Existing diesel fuel-fired engine, located in the Dallas/Fort Worth Eight-Hour ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after June 1, 2007	The rule citations were determined from an analysis of the rule text and the basis of determination.
RPWC080	40 CFR Part 60, Subpart IIII	R60IIII-ENG	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
RPWC080	40 CFR Part 63, Subpart ZZZZ	R63ZZZZ-ENG	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine	
10050774T	30 TAC Chapter 115, Storage of VOCs	R5112-DIES	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
10050774T	40 CFR Part 60, Subpart Kb	60KB-DIES	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
10080344	30 TAC Chapter 115, Storage of VOCs	R5112-JP5	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
10080344	40 CFR Part 60, Subpart K	60K-JP5	Construction/Modification Date = On or before June 11, 1973	
10126380	30 TAC Chapter 115, Storage of VOCs	R5112-WOIL	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
10126380	40 CFR Part 60, Subpart Kb	60KB-WOIL	Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
10129355	30 TAC Chapter 115, Storage of VOCs	R5112-DIES	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
10129355	40 CFR Part 60, Subpart Kb	60KB-DIES	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
10131684	30 TAC Chapter 115, Storage of VOCs	R5112-GAS	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = Gasoline from a storage container in motor vehicle fuel dispensing service (as defined in 30 TAC Chapter 115) Storage Capacity = Capacity is less than or equal to 1,000 gallons	
10131684	40 CFR Part 60, Subpart Kb	60KB-GAS	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPDIESEL	30 TAC Chapter 115, Storage of VOCs	R5112-DIES	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
GRPDIESEL	40 CFR Part 60, Subpart Kb	60KB-DIES	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPDIESLK1	30 TAC Chapter 115, Storage of VOCs	R5112-DIES	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRPDIESLK1	40 CFR Part 60, Subpart K	60K-DIES	Construction/Modification Date = On or before June 11, 1973	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPJP5K30	30 TAC Chapter 115, Storage of VOCs	R5112-JP5	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
GRPJP5K30	40 CFR Part 60, Subpart K	60K-JP5	Construction/Modification Date = On or before June 11, 1973	
GRPJP5K30	40 CFR Part 60, Subpart Kb	60K-JP5	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPJP5KB	30 TAC Chapter 115, Storage of VOCs	R5112-JP5	Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
GRPJP5KB	40 CFR Part 60, Subpart Kb	60KB-OIL	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRPJP5KB25	30 TAC Chapter 115, Storage of VOCs	R5112-JP5	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
GRPJP5KB25	40 CFR Part 60, Subpart Kb	60KB-JP5	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia	
GRPOIL1000	30 TAC Chapter 115, Storage of VOCs	R112-OIL	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRPOIL1000	40 CFR Part 60, Subpart Kb	60KB-OIL	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPOILKB	30 TAC Chapter 115, Storage of VOCs	R5112-OIL	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
GRPOILKB	40 CFR Part 60, Subpart Kb	60KB-OIL	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
10129355	30 TAC Chapter 115, Loading and Unloading of VOC	R5112-DIES	Chapter 115 Facility Type = Motor vehicle fuel dispensing facility	
10131684	30 TAC Chapter 115, Loading and Unloading of VOC	R5112-GAS	Chapter 115 Facility Type = Motor vehicle fuel dispensing facility	
GRPJP5LOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-JP5	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure less than 0.5 psia.	
GRPHEATER	30 TAC Chapter 117, Subchapter B	R7ICI-HTR	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.410(d)(1) Maximum Rated Capacity = Maximum rated capacity is at least 5 MMBtu/hr, but less than 40 MMBtu/hr. CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS. NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000] NOx Emission Limitation = Title 30 TAC § 117.410(b)(3)	Added NOx and CO reporting requirement § 117.435(b)

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPHTR5-	30 TAC Chapter 117, Subchapter B	R7ICI-HEATER	Unit Type = Process heater Maximum Rated Capacity = MRC is less than or equal to 5 MMBtu/hr	
10110996	30 TAC Chapter 117, Subchapter B	R7ICI-NG	Maximum Rated Capacity = MRC is less than or equal to 2 MMBtu/hr.	
10110996	40 CFR Part 60, Subpart D	60D-HWBOIL	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
10110996	40 CFR Part 60, Subpart Db	60DB-NG	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).	
10110996	40 CFR Part 60, Subpart Dc	60DC-NG	Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW).	
GRPCBPBOIL	30 TAC Chapter 112, Sulfur Compounds	REG2-FO	Fuel Type = Liquid fuel. Heat Input = Design heat input is less than or equal to 250 MMBtu/hr. Stack Height = The effective stack height is at least the standard effective stack height for each stack to which the unit routes emissions.	
GRPCBPBOIL	30 TAC Chapter 117, Subchapter B	R7ICI-FO-C	NOx Emission Limitation = Title 30 TAC § 117.410(b). Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr. NOx Monitoring System = Continuous emissions monitoring system. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.410(d)(1). CO Monitoring System = Monitored by method other than CEMS or PEMS. Fuel Type #1 = Liquid fuel NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average. NOx Reductions = Induced flue gas recirculation. Annual Heat Input = Annual heat input is less than or equal to $2.2(10^{11})$ Btu/yr, based on rolling 12-month average	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPCBPBOIL	30 TAC Chapter 117, Subchapter B	R7ICI-FO-P	NOx Emission Limitation = Title 30 TAC § 117.410(b). Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr. NOx Monitoring System = Predictive emissions monitoring system. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.410(d)(1). CO Monitoring System = Monitored by method other than CEMS or PEMS. Fuel Type #1 = Liquid fuel NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average. NOx Reductions = Induced flue gas recirculation. Annual Heat Input = Annual heat input is less than or equal to $2.2(10^{11})$ Btu/yr, based on rolling 12-month average	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPCBPBOIL	30 TAC Chapter 117, Subchapter B	R7ICI-NG-C	NOx Emission Limitation = Title 30 TAC § 117.410(b). Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr. NOx Monitoring System = Continuous emissions monitoring system. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.410(d)(1). CO Monitoring System = Monitored by method other than CEMS or PEMS. Fuel Type #1 = Natural gas. NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average. NOx Reductions = Induced flue gas recirculation. Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPCBPBOIL	30 TAC Chapter 117, Subchapter B	R7ICI-NG-P	NOx Emission Limitation = Title 30 TAC § 117.410(b). Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr. NOx Monitoring System = Predictive emissions monitoring system. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.410(d)(1). CO Monitoring System = Monitored by method other than CEMS or PEMS.	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Fuel Type #1 = Natural gas. NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average. NOx Reductions = Induced flue gas recirculation. Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.	
GRPCBPBOIL	40 CFR Part 60, Subpart D	60D-CBP	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
GRPCBPBOIL	40 CFR Part 60, Subpart Db	60DB-FO-C	60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Construction/Modification Date = Constructed or reconstructed after February 28, 2005. D-Series Fuel Type #1 = Distillate oil that contains no more than 0.3 weight percent sulfur or has a SO_2 emission rate less than 140 ng/J (0.32 lb/MMBtu) heat input. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = Fuel certification (maintaining receipts per § 60.49b(r)(1)). Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Oil ACF less than or equal to 10%. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Other ACF or no ACF. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. Heat Input Wood = The facility combusts no wood or less than 30% wood by heat input.	
GRPCBPBOIL	40 CFR Part 60, Subpart Db	60DB-FO-P	60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Construction/Modification Date = Constructed or reconstructed after February 28, 2005. D-Series Fuel Type #1 = Distillate oil that contains no more than 0.3 weight percent sulfur or has a SO_2 emission rate less than 140 ng/J (0.32 lb/MMBtu) heat input. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Predictive emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = Fuel certification (maintaining receipts per § 60.49b(r)(1)). Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Oil ACF less than or equal to 10%. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Other ACF or no ACF. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. Heat Input Wood = The facility combusts no wood or less than 30% wood by heat input.	
GRPCBPBOIL	40 CFR Part 60, Subpart Db	60DB-NG-C	60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Construction/Modification Date = Constructed or reconstructed after February 28, 2005. D-Series Fuel Type #1 = Natural gas. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			ACF Option - NOx = Other ACF or no ACF. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. Heat Input Wood = The facility combusts no wood or less than 30% wood by heat input.	
GRPCBPBOIL	40 CFR Part 60, Subpart Db	60DB-NG-P	60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies. Construction/Modification Date = Constructed or reconstructed after February 28, 2005. D-Series Fuel Type #1 = Natural gas. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Predictive emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Other ACF or no ACF. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative. Heat Input Wood = The facility combusts no wood or less than 30% wood by heat input.	
GRPCBPBOIL	40 CFR Part 60, Subpart Dc	60DC-CBP	Construction/Modification Date = After February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than 100 MMBtu/hr (29 MW).	
GRPCBPBOIL	40 CFR Part 63, Subpart DDDDD	63DDDDD	Construction/Reconstruction Date = Construction or reconstruction began after June 4, 2010. HEAT INPUT CAPACITY = RATED HEAT INPUT CAPACITY OF GREATER THAN 10 MMBTU/HR BUT LESS THAN 100 MMBTU/HR	The rule citations were determined from an analysis of the rule text and the basis of determination.
RPRB017	30 TAC Chapter 117, Subchapter B	R7ICI-NG	Maximum Rated Capacity = MRC is less than or equal to 2 MMBtu/hr.	
RPRB017	40 CFR Part 60, Subpart D	60D-HWBOIL	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
RPRB017	40 CFR Part 60, Subpart Db	60DB-NG	Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).	
RPRB017	40 CFR Part 60, Subpart Dc	60DC-NG	Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW).	
RPRB017	40 CFR Part 63, Subpart DDDDD	63DDDDD	Construction/Reconstruction Date = Construction or reconstruction began after June 4, 2010. HEAT INPUT CAPACITY = RATED HEAT INPUT CAPACITY OF 10 MMBTU/HR OR LESS	The rule citations were determined from an analysis of the rule text and the basis of determination.
GRPCOOLING	40 CFR Part 63, Subpart Q	60Q-COOLING	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
5VU61L	30 TAC Chapter 111, Visible Emissions	R101-VEO-ALTPB	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
5VU61L	30 TAC Chapter 111, Visible Emissions	R101-VEO-VENT	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is from colorless VOCs, non-fuming liquids, or other sources that are not capable of producing visible emissions. Periodic monitoring to demonstrate compliance is not required. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
5VU61L	30 TAC Chapter 115, Vent Gas Controls	R5121-VENT	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = Either the VOC concentration or emission rate is greater than the applicable exemption limit at maximum actual operating conditions or the alternate recordkeeping requirements of 30 TAC § 115.126(4) are not being selected.	
GRPALTHEAT	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = The executive director and Administrator have determined that 30 TAC § 111.111(a)(1)(F) may be used to comply with the appropriate opacity standard since the gas stream contains condensed water vapor which could interfere with proper CEMS operation. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPALTPB	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of §	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPCOOLING	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = The executive director and Administrator have determined that 30 TAC § 111.111(a)(1)(F) may be used to comply with the appropriate opacity standard since the gas stream contains condensed water vapor which could interfere with proper CEMS operation. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPHVEOVOC	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = The executive director and Administrator have determined that 30 TAC § 111.111(a)(1)(F) may be used to comply with the appropriate opacity standard since the gas stream contains condensed water vapor which could interfere with proper CEMS operation. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPHVEOVOC	30 TAC Chapter 115, Vent Gas Controls	R5121-VENT	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.	
GRPMISCPM	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = The executive director and Administrator have determined that 30 TAC § 111.111(a)(1)(F) may be used to comply with the appropriate opacity standard since the	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			gas stream contains condensed water vapor which could interfere with proper CEMS operation. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPMISCPM	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPNOVEO	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is from colorless VOCs, non-fuming liquids, or other sources that are not capable of producing visible emissions. Periodic monitoring to demonstrate compliance is not required. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPVENT	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is from colorless VOCs, non-fuming liquids, or other sources that are not capable of producing visible emissions. Periodic monitoring to demonstrate compliance is not required. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
GRPVENT	30 TAC Chapter 115, Vent Gas Controls	R5121-VENT	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = Either the VOC concentration	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			or emission rate is greater than the applicable exemption limit at maximum actual operating conditions or the alternate recordkeeping requirements of 30 TAC § 115.126(4) are not being selected.	
GRPVEOQTR	30 TAC Chapter 111, Visible Emissions	R101-VEO	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = The executive director and Administrator have determined that 30 TAC § 111.111(a)(1)(F) may be used to comply with the appropriate opacity standard since the gas stream contains condensed water vapor which could interfere with proper CEMS operation. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	
10126137	30 TAC Chapter 115, Degreasing Processes	R412-PD680	Solvent Degreasing Machine Type = Cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = A solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is not heated to a temperature greater than 120° F. Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
10126137A	30 TAC Chapter 115, Degreasing Processes	R412-PD680	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = A solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is not heated to a temperature greater than 120° F. Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
PE000919	30 TAC Chapter 115, Degreasing Processes	R5412-ARCO	Solvent Degreasing Machine Type = Cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = A solvent is sprayed.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is not heated to a temperature greater than 120° F. Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is greater than or equal to 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROEX	Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP1	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP2	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS1	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS2	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT1	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT2	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-METF	Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Metal furniture coating. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-MISM	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Other miscellaneous metal parts and products coating. Miscellaneous Coating Type = Coating type other than low-bake coatings, coating using air or forced air dryers, extreme performance and clear coat/interior protective coating for pails and drums. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-CLSH	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Clear shellac.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-CTOP	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Clear topcoat.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-GLAZ	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Semitransparent wiping or glazing stain.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-GRND	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Enamel or opaque ground coat.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-OPSH	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Opaque shellac.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-OTHR	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Wood coating other than varnish, clear or opaque shellac, clear sealer, clear topcoat, washcoat, final repair coat, enamel or opaque groundcoat, semitransparent spray stain, glazing stain, wiping stain or spray toner.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-REPC	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Final repair coat.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-SEAL	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Clear sealer.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-SPRA	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Semitransparent spray stain or toner.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-VARN	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Varnish.	
GRPNPROD	30 TAC Chapter 115, Surface Coating Operations	R5420-WPP-WASH	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Surface coating of wood parts and products. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions. Wood Coating Type = Washcoat.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP1	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP2	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS1	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS2	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT1	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT2	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Maintenance Shop = Coating operation is not conducted at an on-site maintenance shop, or coating operation is not recoating of used miscellaneous metal parts and products. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODNEW	40 CFR Part 63, Subpart GG	63GG-AERO-PRIM1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. Low HAP Content = The coating is not a low HAP content primer. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = After October 29, 1996. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Primer application operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Not a dry particulate filter or waterwash system.	
GRPPRODNEW	40 CFR Part 63, Subpart GG	63GG-AERO-PRIM2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. Low HAP Content = The coating is not a low HAP content primer. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = After October 29, 1996. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Primer application operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			waterborne coatings demonstrates that organic HAP and VOC contents are not less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Not a dry particulate filter or waterwash system.	
GRPPRODNEW	40 CFR Part 63, Subpart GG	63GG-AERO-TOP1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = After October 29, 1996. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Topcoat operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Not a dry particulate filter or waterwash system.	
GRPPRODNEW	40 CFR Part 63, Subpart GG	63GG-AERO-TOP2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = After October 29, 1996. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Topcoat operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are not less than or equal	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Not a dry particulate filter or waterwash system.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP1	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROP2	Aerospace Coating Type = Primer. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS1	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROS2	Aerospace Coating Type = Specialty coatings. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT1	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is less than or equal to 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	30 TAC Chapter 115, Surface Coating Operations	R5420-AEROT2	Aerospace Coating Type = Topcoat. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			CFR § 63.750. Facility Operations = Aerospace vehicles or components not dealing with research and development, quality control, laboratory testing, and electronic parts and assemblies. Flush = Parts, assemblies, or components are flush cleaned with solvent. Cleaning Solvents = Hand wipe solvents are used. Aqueous = Aqueous or semi-aqueous cleaning solvents are not used. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Solvent Vapor Pressure = The cleaning solvent vapor pressure is greater than 45 mmHg at 20° C. Vapor Recovery = No vapor recovery system is used to control emissions.	
GRPPRODOLD	40 CFR Part 63, Subpart GG	60GG-AERO-PRIM1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. Low HAP Content = The coating is not a low HAP content primer. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = On or before June 6, 1994. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Primer application operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Dry particulate filter system.	
GRPPRODOLD	40 CFR Part 63, Subpart GG	60GG-AERO-PRIM2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. Low HAP Content = The coating is not a low HAP content primer. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = On or before June 6, 1994. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Primer application operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are not less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Dry particulate filter system.	
GRPPRODOLD	40 CFR Part 63, Subpart GG	60GG-AERO-TOP1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = On or before June 6, 1994. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Topcoat operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Dry particulate filter system.	
GRPPRODOLD	40 CFR Part 63, Subpart GG	60GG-AERO-TOP2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Emission Control = No control device is used to reduce organic HAP emissions. Inorganic HAP = Some or all of the coatings used contain inorganic HAP. 40 CFR § 63.741(f) Exemption = Activities other than those identified in 40 CFR § 63.741(f) are in the process or facility at the site. Construction Date = On or before June 6, 1994. HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			determined using procedures in § 63.750(c). Alternative Monitoring Methods = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Application Type = Topcoat operation. VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e). No Longer Operational = The vehicle or component to be coated is operational, not intended for public display, or is capable of being moved. HAP and VOC less than Content Limits = The manufacturer's supplied data for any of the waterborne coatings demonstrates that organic HAP and VOC contents are not less than or equal to the organic HAP and VOC content limits for its coating type. Inorganic HAP Control = Dry particulate filter system.	
10174460	40 CFR Part 63, Subpart N	63N-ANLAB	Research and Lab Operations = Research and laboratory operations are the only operations performed in the chromium electroplating or chromium anodizing tank.	
GRPOVEN	30 TAC Chapter 117, Subchapter B	R7ICI-OVEN	Unit Type = Oven or heater Maximum Rated Capacity = MRC is 5 MMBtu/hr or less Fuel Fired = The oven, heater, or dryer is fired with natural gas.	
PROFLUSH	40 CFR Part 63, Subpart GG	63GG-FLSHEXEMPT	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = Activities in the process or facility are identified in 40 CFR § 63.741(f).	
PROFLUSH	40 CFR Part 63, Subpart GG	63GG-FLUSH	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Affected Source = A flush cleaning operation. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Semi-Aqueous or Table 1 = Not all cleaning solvents used are semi-aqueous or listed in Table 1.	
PROHANDWIP	40 CFR Part 63, Subpart GG	63GG-HAND1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Affected Source = All hand-wipe cleaning operations. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Cleaning of Spray Gun = The activity performed is the cleaning of spray gun equipment in accordance with 40 CFR § 63.744(c)(3).	
PROHANDWIP	40 CFR Part 63, Subpart GG	63GG-HAND2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Affected Source = All hand-wipe cleaning operations. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3). Exempt Operation = The cleaning operation is one of the exempt operations listed in 40 CFR § 63.744(e)(1)-(12).	
PROHANDWIP	40 CFR Part 63, Subpart GG	63GG-HAND3	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Affected Source = All hand-wipe cleaning operations. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3). Exempt Operation = The cleaning operation is not exempt under 40 CFR § 63.744(e)(1)-(12).	
PROHANDWIP	40 CFR Part 63, Subpart GG	63GGHANDEXEMPT	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = Activities in the process or facility are identified in 40 CFR § 63.741(f).	
PROSPRAY	40 CFR Part 63, Subpart GG	63GG-SPRAY1	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Robotic System = Spray gun nozzle tips are being cleaned from an automatic spray system and is not a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Affected Source = Spray gun cleaning operation. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			approved by the EPA Administrator or no such request has been made. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f).	
PROSPRAY	40 CFR Part 63, Subpart GG	63GG-SPRAY2	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Enclosed System = The spray guns are cleaned within an enclosed system. Affected Source = Spray gun cleaning operation. Non-Atomized Cleaning = The spray guns are not cleaned by non-atomized cleaning. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Disassembled Spray Gun Cleaning = Spray guns are not disassembled for cleaning. Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Semi-Aqueous or Table 1 = All cleaning solvents used are semi-aqueous or listed in Table 1.	
PROSPRAY	40 CFR Part 63, Subpart GG	63GG-SPRAY3	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Enclosed System = The spray guns are not cleaned within an enclosed system. Affected Source = Spray gun cleaning operation. Non-Atomized Cleaning = The spray guns are cleaned by non-atomized cleaning. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Disassembled Spray Gun Cleaning = Spray guns are not disassembled for cleaning. Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Semi-Aqueous or Table 1 = All cleaning solvents used are semi-aqueous or listed in Table 1.	
PROSPRAY	40 CFR Part 63, Subpart GG	63GG-SPRAY4	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Enclosed System = The spray guns are not cleaned within an enclosed system. Affected Source = Spray gun cleaning operation. Non-Atomized Cleaning = The spray guns are not cleaned by non-atomized cleaning. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Disassembled Spray Gun Cleaning = Spray guns are disassembled for cleaning. Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Semi-Aqueous or Table 1 = All cleaning solvents used are semi-aqueous or listed in Table 1.	
PROSPRAY	40 CFR Part 63, Subpart GG	63GG-SPRAY5	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5). 40 CFR § 63.741(f) Exemption = No activities in the process or facility are identified in 40 CFR § 63.741(f). Enclosed System = The spray guns are not cleaned within an enclosed system. Affected Source = Spray gun cleaning operation. Non-Atomized Cleaning = The spray guns are not cleaned by non-atomized cleaning. Alternative Monitoring Method = The request to use alternative monitoring method(s) has not been approved by the EPA Administrator or no such request has been made. Disassembled Spray Gun Cleaning = Spray guns are not disassembled for cleaning. Atomized Cleaning = Spray guns are cleaned by atomized cleaning (atomizing cap is not in place) and spray is directed into a device designed to capture the atomized cleaning solvent. De Minimis = Cleaning solvents used in the cleaning operation contain hazardous air pollutant and volatile organic compound above the de minimis levels specified in 40 CFR §63.741(f). Semi-Aqueous or Table 1 = All cleaning solvents used are semi-aqueous or listed in Table 1.	
PROSPRAY	40 CFR Part 63, Subpart GG	63GGSPRYEXEMPT	Contains Operations Identified in 40 CFR § 63.741(c) = The facility contains operations identified in 40 CFR § 63.741(c). 40 CFR § 63.741(f) Exemption = Activities in the process or facility are identified in 40 CFR § 63.741(f).	

* - The “unit attributes” or operating conditions that determine what requirements apply

** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room,

located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

New Source Review Authorization References

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 16862	Issuance Date: 06/22/2016
Authorization No.: 36888	Issuance Date: 08/13/2013
Authorization No.: 92599	Issuance Date: 12/13/2016
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.221	Version No./Date: 09/04/2000
Number: 106.224	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.231	Version No./Date: 09/04/2000
Number: 106.242	Version No./Date: 09/04/2000
Number: 106.244	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.265	Version No./Date: 09/04/2000

New Source Review Authorization References

Number: 106.266	Version No./Date: 09/04/2000
Number: 106.311	Version No./Date: 09/04/2000
Number: 106.315	Version No./Date: 09/04/2000
Number: 106.316	Version No./Date: 09/04/2000
Number: 106.317	Version No./Date: 09/04/2000
Number: 106.320	Version No./Date: 09/04/2000
Number: 106.321	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.375	Version No./Date: 09/04/2000
Number: 106.392	Version No./Date: 09/04/2000
Number: 106.395	Version No./Date: 09/04/2000
Number: 106.411	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 09/04/2000
Number: 106.419	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.434	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 07/08/1998
Number: 106.454	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.471	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
Number: 5	Version No./Date: 09/23/1982
Number: 5	Version No./Date: 09/12/1989
Number: 5	Version No./Date: 04/05/1995
Number: 7	Version No./Date: 09/23/1982
Number: 7	Version No./Date: 09/12/1989

New Source Review Authorization References

Number: 8	Version No./Date: 09/12/1989
Number: 9	Version No./Date: 09/23/1982
Number: 9	Version No./Date: 09/12/1989
Number: 14	Version No./Date: 04/05/1995
Number: 41	Version No./Date: 09/12/1989
Number: 51	Version No./Date: 09/12/1989
Number: 51	Version No./Date: 07/20/1992
Number: 51	Version No./Date: 09/13/1993
Number: 51	Version No./Date: 05/04/1994
Number: 51	Version No./Date: 04/05/1995
Number: 61	Version No./Date: 09/12/1989
Number: 61	Version No./Date: 05/04/1994
Number: 102	Version No./Date: 03/15/1985
Number: 106	Version No./Date: 03/15/1985
Number: 107	Version No./Date: 08/30/1988
Number: 107	Version No./Date: 07/20/1992
Number: 107	Version No./Date: 04/05/1995

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the “Maximum Allowable Emission Rate Table”, or “MAERT” for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit’s compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: 10126137	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R412-PD680
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Failure to inspect equipment and record data. Any monitoring data that is not in compliance with 30 TAC § 115.412(1)(A) and 115.412(1)(C), (D), and (F) shall be considered and reported as a deviation.	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA “Periodic Monitoring Technical Reference Document” (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

Unit/Group/Process Information	
ID No.: 5VU61L	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO-ALTPB
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure drop	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Any valid monitoring data below the minimum limit or above maximum limit shown on the table entitled "Paint Booth Filters - Minimum and Maximum Pressure Drop Summary," available at the plant site, shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to control particulate emissions by use of a fabric filter. The option to measure pressure drop is indicative of control device performance since a drop in pressure may indicate holes or tears in the filter or increased pressure may indicate the blinding of bags or the filter has not been adequately cleaned. The deviation limit is based on the most recent performance test, the manufacturer's recommendations, engineering calculations, and/or historical data.	

Unit/Group/Process Information	
ID No.: GRPALTHEAT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period for any source.	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPALTPB	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Any valid monitoring data below the minimum limit or above maximum limit shown on the table entitled "Paint Booth Filters - Minimum and Maximum Pressure Drop Summary," available at the plant site, shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to control particulate emissions by use of a fabric filter. The option to measure pressure drop is indicative of control device performance since a drop in pressure may indicate holes or tears in the filter or increased pressure may indicate the blinding of bags or the filter has not been adequately cleaned. The deviation limit is based on the most recent performance test, the manufacturer's recommendations, engineering calculations, and/or historical data.	

Unit/Group/Process Information	
ID No.: GRPCBPBOIL	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-FO
Pollutant: SO2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Fuel oil sulfur content	
Minimum Frequency: At each fueling of the tank	
Averaging Period: n/a	
Deviation Limit: Fuel oil > 0.8% sulfur (weight % basis)	
Basis of monitoring: A common way to determine SO2 emissions is by determining the amount (percentage) of sulfur in fuel combusted by an emission unit. This quantity along with stack flow rate and quantity of fuel combusted may be used to calculate the amount of SO2 emitted to the atmosphere.	

Unit/Group/Process Information	
ID No.: GRPCOOLING	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per calendar quarter	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period for any source.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPHVEOVOC	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period for any source.	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPMISCPM	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per calendar quarter	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period for any source.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: GRPVEOQTR	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R101-VEO
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per calendar quarter	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period for any source.	
Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: PE000919	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-ARCO
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Failure to inspect equipment and record data. Any monitoring data that is not in compliance with 30 TAC § 115.412(1)(A) and 115.412(1)(C), (D), and (F) shall be considered and reported as a deviation.	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA “Periodic Monitoring Technical Reference Document” (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes

OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes